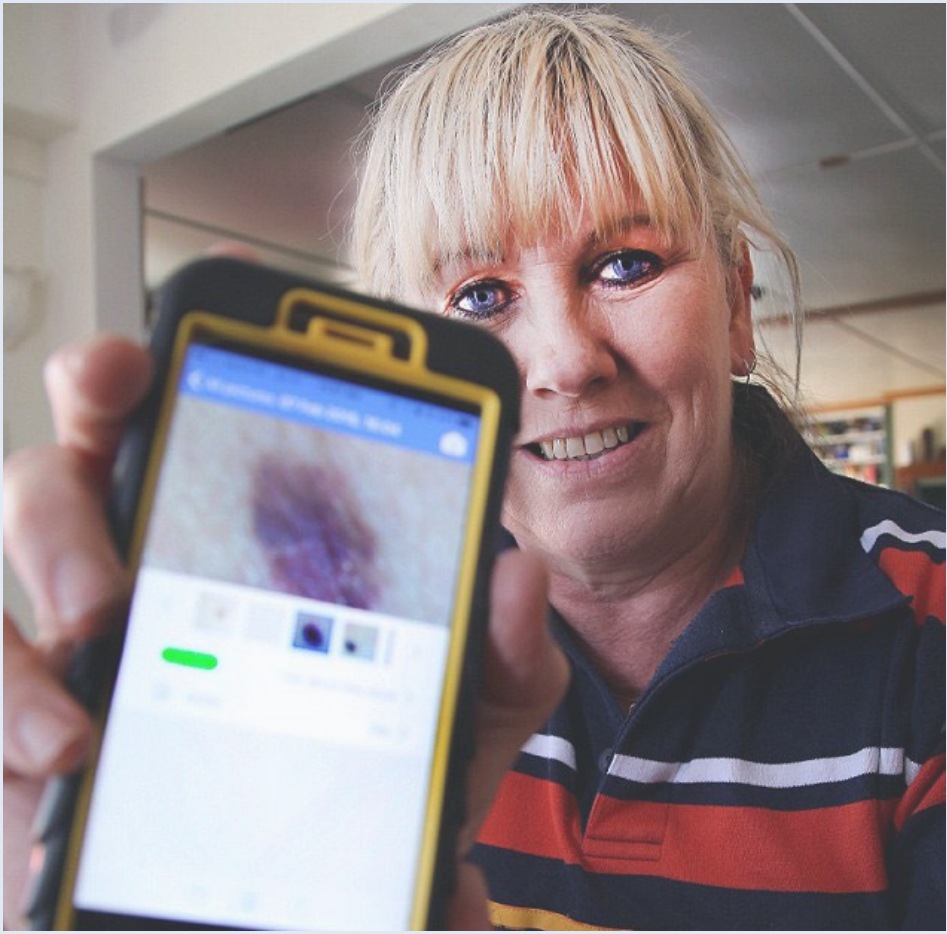


# D.I.Y. Health: How Emerging Technology Empowers People to PreventFuture Health Issues and Hospital’s interior Spaces.

According to insurance and risk management firm Acrisure, there are more than 40,000 health-related software apps for smartphones with currently only 0.01% of the world’s population using them. This demonstrates an untapped potential for exponential growth in the medical industry. Before the introduction of this emerging technology, awareness of health problems was not available before they became serious for treatment. Smart phones and other consumer level products can collect health related data and enable people to interface with doctors with increasing information. This research investigates how health related technologies will transform the way humans connect with medicine individually and globally. This research explores the impacts of emerging technology on people, interactions, and interior hospital space conditions. The emergence of health-related technologies will impact how people interface with doctors and the environment of interior hospital spaces.

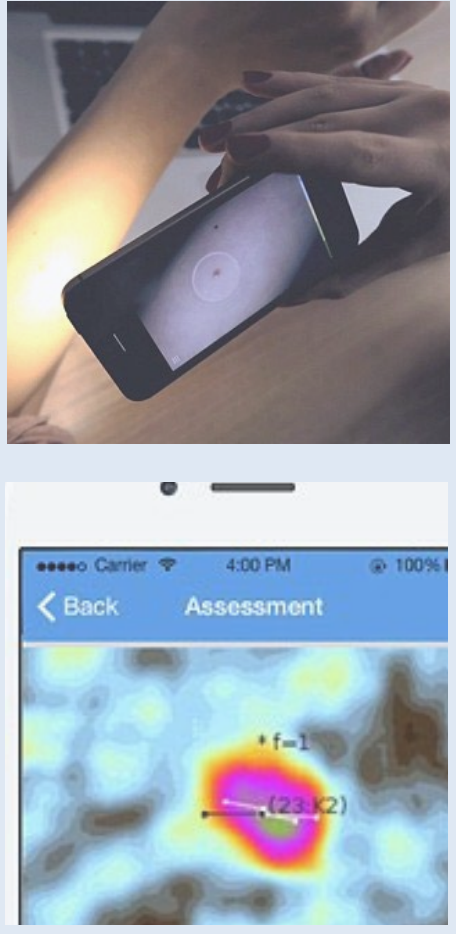
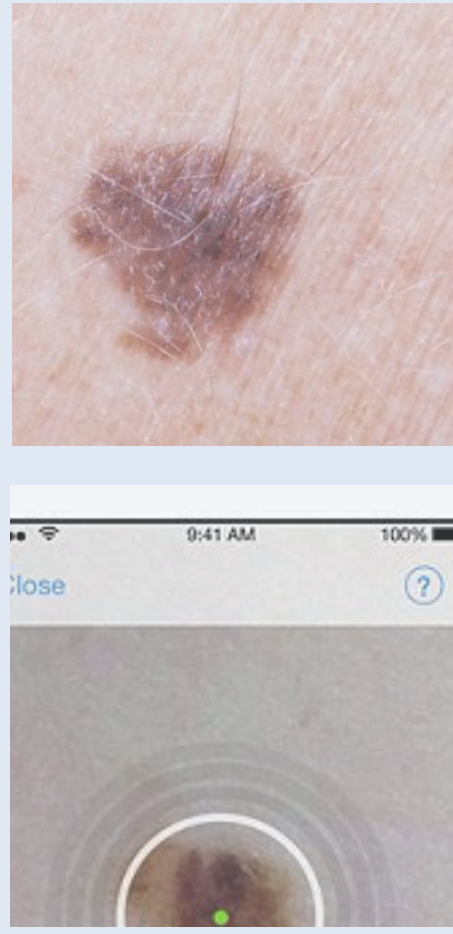


## Connecting with human story



According to Rachel Eddie from Associated Papers LTD, "A woman's mobile phone has told her a patch of skin discoloration on her leg was cancerous and required urgent medical attention, potentially saving her life."

There are many more stories around the world that can relate to the story of this woman. Technology is increasing and developing to detect health problems.



Associated Papers states, SkinVision analyses photographs of your moles for skin cancer and uses a technique called fractal geometry, which looks for patterns in the outlines and dimensions of a mole that make it more likely to be malignant. It then classes it as high, medium or low risk.

## Health Care Revolutionizing

[Advancements in medicine and medical technology]

"Statistics show that today **80% of Americans die** in hospitals or in institutions. This percentage is in marked contrast to **50 years ago**, when only 20% of Americans died in hospitals or other health care facilities, and when most of them died at home" (Burnell).



## Existing Apps

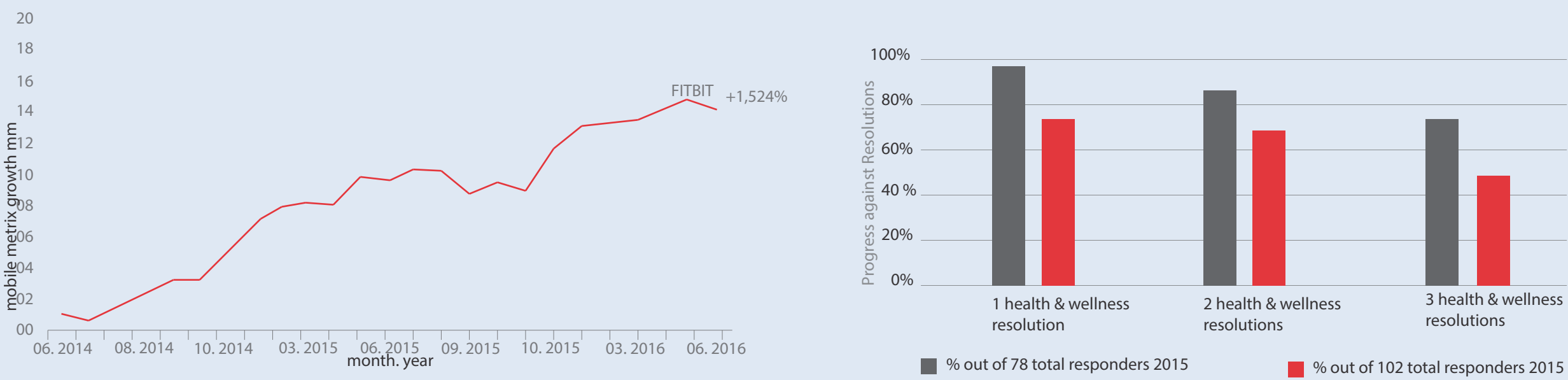
[Stringfellow] [Acrisure,]

There are more than **40,000 health-related** software apps for smartphones



## Health-Realted Apps Growing

[Sarasohn-Kahn]



## Top 4 deadliest diseases in the US

[Pietrangelo]

### Stroke

nearly **130,000 people die** of stroke each year — that's one person every four minutes

Artery in the brain is blocked or leaks. Oxygen-deprived brain cells begin to die

### Coronary Artery Disease

about **600,000 people die** of heart disease every year

occurs when the blood vessels that supply blood to the heart become narrowed

### Chronic Obstructive Pulmonary Disease

**12.7 million adults** in the United States had COPD

progressive lung disease that makes it hard to breathe

### Lower Respiratory Infections

about **20 % of travelers** returning to the United States seek medical attention for respiratory infection following a trip.

This group of diseases includes pneumonia, bronchitis, and influenza

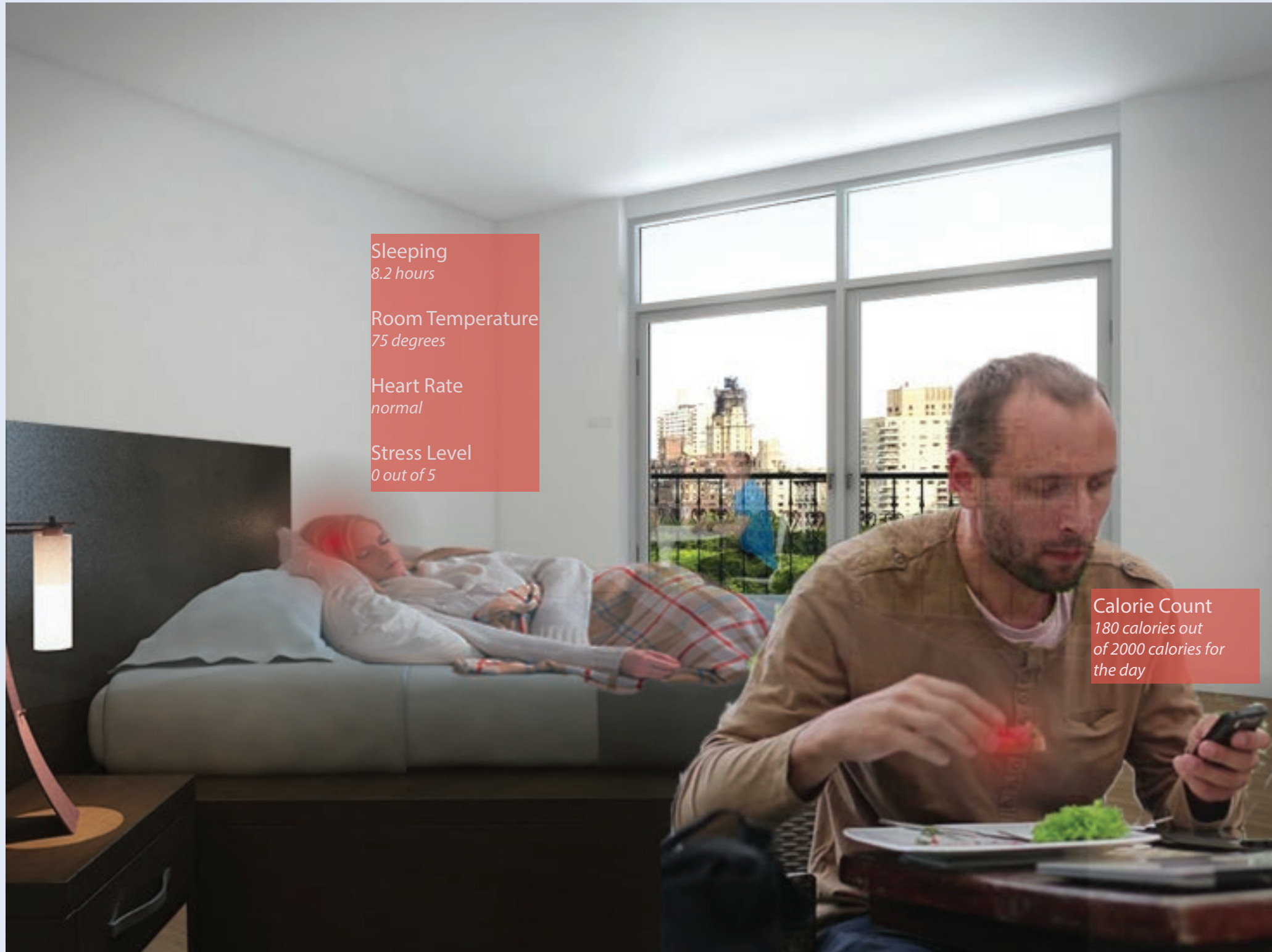
## Solutions

[Behal,]

According to Behal, "Around 70% of all health problems can be handled online...This is helpful in efficiently serving DocsApp's 400,000 users to date"

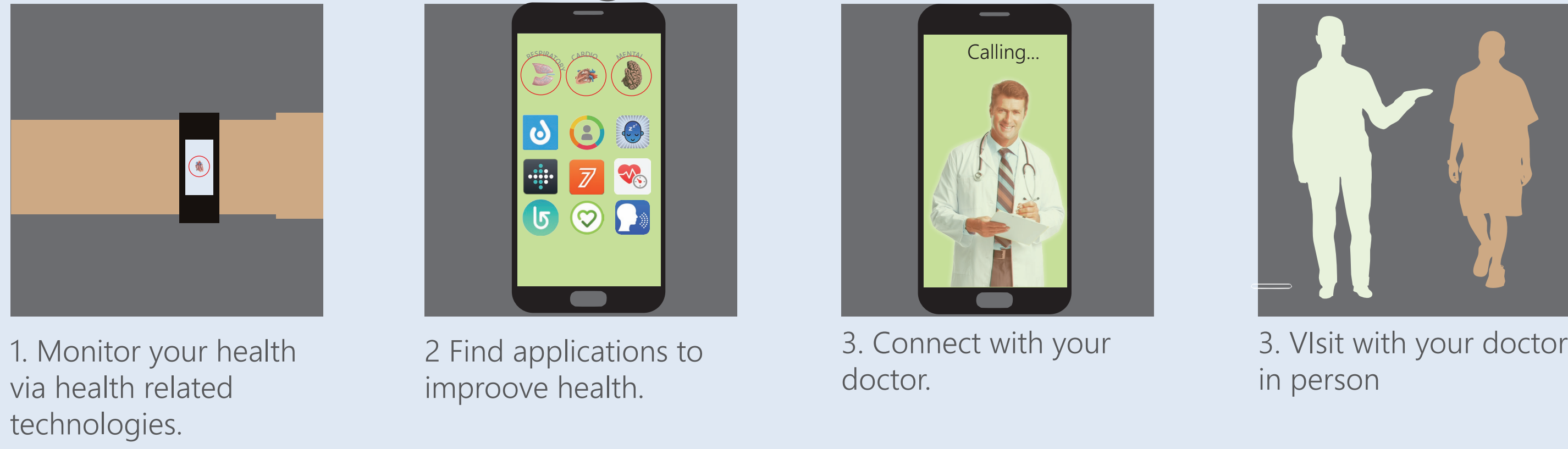


## Interior Space



According to *Journal of Medical Internet Research*, Physicians who utilized PDAs reported improved efficiency of their daily rounds through spending less time accessing, retrieving, and recording data, therefore freeing more time for direct patient care.

## Process of interfacing doctors



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